PROJECT FACT SHEET

CONTRACT TITLE: Calibration of Seismic Attributes for Reservoir Characterization/Fundamental Geoscience Award

ID NUMBER: DE-AC26-98BC15135 **B&R CODE:** AC1005000	**CONTRACTOR:** Michigan Technological University **ADDR:** 1400 Townsend Drive Houghton, MI 49931
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PROJECT SITE **CITY:** Houghton **STATE:** MI **CITY:** **STATE:** **CITY:** **STATE:**	**CONTRACT PERFORMANCE PERIOD:** 9/29/1998 to 9/28/2001 **PROGRAM:** Supporting Research **RESEARCH AREA:** **PRODUCT LINE:** ADIS

FUNDING (1000'S)	DOE	CONTRACTOR	TOTAL
PRIOR FISCAL YRS	380	63	443
FISCAL YR 1999	349	63	412
FUTURE FUNDS	0	62	62
TOTAL EST'D FUNDS	729	188	917

OBJECTIVE: Three reservoirs will be used in order to develop and evaluate methods to calibrate seismic attributes among the various scales of measurement .The goal of the project is to provide a sound physical basis for the use of seismic attributes as tools for reservoir characterization.

PROJECT DESCRIPTION:
Background:
Work to be Performed: Two or three different hydrocarbon fields will be studied in detail as cases and use modern interpretation tools in the study of the attributes. Two of the fields are Stratton and Boonsville. Two other fields have been provided by operators are : Teal South (Gulf of Mexico) and Wasmsuttere area (Wyoming).

PROJECT STATUS:
Current Work: All computer equipment necessary for this project has been acquired. GeoQuest software and Mercury international Technology's iXL seismic-processing software package has been installed and tested.
Obtained 3-D seismic from AMOCO, CONOCO and EXXON.
Obtained 2-D data from Marathon.
Other data collected are from : 1) Crystal Field, Michigan;   2) Almond Formation, Wamsutter Arch, Wyoming;
3) Straton and Boonsville data sets; 4) Gulf of Mexico data from Teal South reservoir.

The seismic and well log data from all these fields are loaded into the software packages. Papers on some specific conceptual aspects are being prepared and should be completed within a couple of months.
Scheduled Milestones:

Accomplishments: